

ABSTRACT

In accordance with the principles of the present invention utilizing the BLUETOOTH specification Cordless Telephony profile, incoming calls to a cell phone including a Gateway role can be routed to another piconet device (e.g., another cell phone including a Terminal role. Two cell phones with BLUETOOTH capability each include the Cordless Telephony Profile. The cell phone receiving the call acts as a PSTN cordless telephone Gateway cell phone via the cellular network, while the other cell phone acts as a cordless telephone Terminal cell phone. The cordless telephone Terminal cell phone then acts as an extension to the Gateway cell phone allowing both calls to the Gateway cell phone to be answered at the Terminal cell phone, and even allowing calls by the Gateway cell phone to be originated by the Terminal cell phone. Moreover, the present invention includes the ability for any one of a number of authorized Terminal devices (e.g., Terminal cell phone) to answer an incoming call to a Gateway cell phone 'on the fly' after hearing the ringing at the Gateway cell phone. Telephone calls may be remotely initiated from the Terminal cell phone via the Gateway cell phone. Inexpensive or featureless Terminal devices can tap into advanced features of more expensive Gateway cell phones, without the need to implement the hardware and/or software for the features themselves in the Terminal device. An authorized terminal list identifies Terminal devices authorized to answer an incoming call to a Gateway cell phone, and may be expanded to include other feature enable/disable configuration. The present invention also provides an interface between devices having differing telephony standards, e.g., between an IS-41 cell phone acting as a Terminal and a GSM cell phone acting as a Gateway cell phone.